



Technical Data Sheet

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29-9004

Heat Resistant Black

Silicone modified resin system, designed for use in cases where constant heating to 800°F is expected. This product dries to handle very quickly, full cure does not occur until the first heat cycle in service.

- Wood stoves
- Piping
- Motors

Outstanding Characteristics

- Fast Air Dry
- Flat Jet Black Finish

Physical Data

Finish:	Flat
Colour:	Black
Weight Solids:	27.8% ± 0.5%
Volume Solids:	22.0% ± 0.5%

Resistance Table

- Heat resistant to 800°F
- Excellent solvent resistance

Recommended Systems

- Primer not recommended
- For Heat Resistant Coatings



Surface Preparation

Ferrous (Steel) Must be clean and free from dirt, oil, grease, rust or other contaminants. Sandblasting to SSPC SP-6 or better is recommended. Proper surface preparation will enhance the performance of the coating system during service conditions. Substrate must be extremely clean when used in high heat applications. Any surface residue will cause film failures at high temperatures.

Aluminum Clean using an appropriate conversion treatment.

Wood Not Recommended



Instructions for Use

Application...
Application Instructions....

Can be custom formulated to meet a wide variety of application requirements.



Mixing Instructions

Components: One
Reducer: 20-4100 or 20-4101

Shelf Life...1 year from shipment date



Viscosity

Viscosity... 45" ± 3" #4 Ford Cup

Application Method

- Conventional Air Spray** Reduce up to 15% with 20-4100 or 20-4101 to 20-22 seconds #2 Zahn Cup.
- Air Assisted Airless** Not Recommended.
- Airless** Not Recommended.
- Electrostatic Spray** Some adjustment for polarity may be necessary to a minimum of 2 mohms. Use conventional electrostatic only
- Dip** Not Recommended.
- Brush or Roller** Not Recommended.

Do not paint unless the temperature is a minimum of 5°F (3°C) above the dew point.

Recommended Film Build Thickness & Cover Rate

Allow for application loss and surface irregularities.
 Total Dry Film Recommendation..1.0-1.5 mils (25-37.5 microns) over surface profile.
 Calculated Coverage

1.0 Mil DFT	352 ft ² /usg
25 microns DFT	8.6 m ² /L

Safety Precautions

Please refer to the Material Safety Data Sheet (MSDS) for information regarding health, physical and environmental hazards, handling precautions and recommended first aid procedures. For industrial and automotive use only

Dry Time

Dry time @25°C, 77°F 50% Rel. Humidity

To Touch:	10 Minutes
Tack Free:	20 Minutes
To Recoat:	Not Recommended.
Hard:	24 Hours – full cure occurs after the first service cycle.

Other

Other – Do not apply in excess of 0.75 mils dry film thickness in high heat applications >176°C (>350°F)

Control of dry film thickness is critical to the success of high heat systems during it’s service life. Do not exceed the recommended dry film thickness for this product as it may cause failure during heat cycle.

Clean Up

Cleaner: 204100

Storage & Shipping

Flash Point... 8°C (46°F)